



Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 50919
Application ID: 10643401
Title of Invention: PREAPPLIABLE PHASE CHANGE
THERMAL INTERFACE PAD
First Named Inventor: RAYMOND FREULER
Domestic/Foreign Application: Domestic Application
Filing Date: 2003-08-19
Effective Receipt Date: 2003-11-19
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 3992
Attorney Docket Number: POWRD-015C



Total Fees Authorized:

Digital Certificate Holder: cn=Matthew A. Newboles,ou=Registered Attorneys,ou=Patent and
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: a63c0166af95c55d4978533e8cd21d5735dc2bb5

**TRANSMITTAL**

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	PREAPPLIABLE PHASE CHANGE THERMAL INTERFACE PAD							
Application Number: 10/643401 Date: 2003-08-19 First Named Applicant: RAYMOND FREULER Confirmation Number: 3992 Attorney Docket Number: POWRD-015C								
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>								
<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>MATTHEW A. NEWBOLES Registered Number: 36,224</td><td>/man/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	MATTHEW A. NEWBOLES Registered Number: 36,224	/man/	Attorney
Submitted by:	Elec. Sign.	Sign. Capacity						
MATTHEW A. NEWBOLES Registered Number: 36,224	/man/	Attorney						
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>IDS-usidst.xml us-ids.dtd us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-ids	IDS-usidst.xml us-ids.dtd us-ids.xsl		
Documents being submitted	Files							
us-ids	IDS-usidst.xml us-ids.dtd us-ids.xsl							
Comments THIS IDS SUBMISSION IS BEING FILED CONCURRENTLY WITH A SUBMISSION FILED VIA U.S. MAIL.								



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	PREAPPLIABLE PHASE CHANGE THERMAL INTERFACE PAD																																																																																																								
<p>Application Number: 10/643401 Confirmation Number: 3992 First Named Applicant: RAYMOND FREULER Attorney Docket Number: POWRD-015C Art Unit: 1772 Examiner: BRIAN P. EGAN Search string: (2887628 or 2799793 or 3013104 or 3249680 or 3356828 or 3391242 or 3463140 or 3463161 or 3467547 or 3476177 or 3586102 or 3603106 or 3819530 or 3823089 or 3887628 or 3972821 or 4065908 or 4151547 or 4199548 or 4237086 or 4266267 or 4299715 or 4360626 or 4666483 or 4473113 or 4489487 or 5002715 or 5237086 or 5904796 or 5912805 or 5930893 or 5931831 or 5986884 or 6391442).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>2887628</td><td>1956-06-12</td><td>ZIERDT, JR.</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>2799793</td><td>1957-07-16</td><td>DE CAIN</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>3013104</td><td>1961-12-12</td><td>YOUNG</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>3249680</td><td>1966-05-02</td><td>SHEETS, ET AL.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>3356828</td><td>1967-12-05</td><td>FURNESS</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>3391242</td><td>1968-07-02</td><td>SUDGES</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>3463140</td><td>1969-08-26</td><td>ROLLOR, JR.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>3463161</td><td>1969-08-26</td><td>ANDRASSY</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>3467547</td><td>1969-08-16</td><td>HARVEY, ET AL.</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>3476177</td><td>1969-11-04</td><td>POTZI</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>3586102</td><td>1971-06-22</td><td>GILLES</td><td></td><td></td><td></td></tr><tr><td></td><td>12</td><td>3603106</td><td>1971-09-07</td><td>RYAN</td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	2887628	1956-06-12	ZIERDT, JR.					2	2799793	1957-07-16	DE CAIN					3	3013104	1961-12-12	YOUNG					4	3249680	1966-05-02	SHEETS, ET AL.					5	3356828	1967-12-05	FURNESS					6	3391242	1968-07-02	SUDGES					7	3463140	1969-08-26	ROLLOR, JR.					8	3463161	1969-08-26	ANDRASSY					9	3467547	1969-08-16	HARVEY, ET AL.					10	3476177	1969-11-04	POTZI					11	3586102	1971-06-22	GILLES					12	3603106	1971-09-07	RYAN			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																																																		
	1	2887628	1956-06-12	ZIERDT, JR.																																																																																																					
	2	2799793	1957-07-16	DE CAIN																																																																																																					
	3	3013104	1961-12-12	YOUNG																																																																																																					
	4	3249680	1966-05-02	SHEETS, ET AL.																																																																																																					
	5	3356828	1967-12-05	FURNESS																																																																																																					
	6	3391242	1968-07-02	SUDGES																																																																																																					
	7	3463140	1969-08-26	ROLLOR, JR.																																																																																																					
	8	3463161	1969-08-26	ANDRASSY																																																																																																					
	9	3467547	1969-08-16	HARVEY, ET AL.																																																																																																					
	10	3476177	1969-11-04	POTZI																																																																																																					
	11	3586102	1971-06-22	GILLES																																																																																																					
	12	3603106	1971-09-07	RYAN																																																																																																					

	13	3819530	1974-06-25	RATLEDGE ET AL.
	14	3823089	1974-07-09	RYAN ET AL.
	15	3887628	1975-06-03	BECKERS
	16	3972821	1976-08-03	WEIDENBENNER ET AL.
	17	4065908	1978-01-03	MUELLER
	18	4151547	1979-04-24	RHOADES ET AL.
	19	4199548	1980-04-22	RAIHO, ET AL.
	20	4237086	1980-12-02	GEHLE
	21	4266267	1981-05-05	RUEGG
	22	4299715	1981-11-10	WHITFIELD ET AL.
	23	4360626	1982-11-23	MANWILLER
	24	4666483	1984-08-21	WHITFIELD ET AL.
	25	4473113	1984-08-25	WHITFIELD ET AL.
	26	4489487	1984-12-25	BURA
	27	5002715	1991-03-26	FEINBERG ET AL.
	28	5237086	1993-08-17	KRUGER ET AL
	29	5904796	1999-05-18	FREULER ET AL.
	30	5912805	1999-06-15	FREULER ET AL.
	31	5930893	1999-08-03	EATON
	32	5931831	1999-08-03	LINDER
	33	5986884	1999-11-16	JAIRAZBHOY ET AL.
	34	6391442	2002-05-21	DUVALL ET AL.

Signature

Examiner Name	Date